

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: Desi

RQ: 2020-11-09-415

Project: BMAP2 + Miramar

2020-11-09-31

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 10/14/20

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro- meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Kim Appleby	11/16/20	1014	22.8	765.5	8.7	8.69	100.7	-	1.06417	(P) F	(L) F
ICV	↓	↓	1015	22.7	765.4	8.7	8.75	101.3	-	1.065417	(P) F	(L) F
CCV	↓	↓	1917	22.8	764.9		8.68	100.7	-	1.065417	(P) F	(L) F
CCV											P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	K. Appleby	11/16/20	1016	2009028	9/2021	1000	1000	(P) F	(L) F
ICV	↓	↓	1017	200902A	9/2021	100	103.2	(P) F	(L) F
CCV	↓	↓	1920	191025A	11/2020	1413	1415	P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	R. Appleby	11/16/20	1020	2001631	1/2022	7.00	23.7	7.00	-27.7	(P) F	(L) F
Calibr.	↓	↓	1023	2006806	5/2022	4.00	23.7	4.00	151.0	(P) F	(L) F
Calibr.	↓	↓	1025	2002911	8/2021	10.00	23.6	10.00	-199.7	(P) F	(L) F
ICV	↓	↓	1027	2001631	1/2022	7.00	23.6	7.04	-27.3	(P) F	(L) F
CCV	↓	↓	1923	2002911	8/2021	10.00	21.0	10.02	-201.9	(P) F	(L) F
CCV	↓	↓	1925							P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50; mV pH 4 Range +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? **YES** / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: 10/14/20

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	Kim Appleby	11/16/20	1030	0.00	0.00	(P) F	(L) F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:



11/16/20

Florida DEP North East District ROC BMAP Field sheet

Data Pass CCV?

Yes/No

Date: ~~11/16/20~~

RQ#: 2020-11-09-41

Event Name: BMAP 1

Meter ID: PRODSS Desi

Sampling Team Members: K. McDonald, K. Appleby

All bacteria samples taken are surface water grab samples.

WIN ID/Field ID:				WBID Number		Matrix:		Sample Type:		Initials Sample & Preservation		Initials Document-ation			
		20030760		2322		Surface Fresh ☒ Surface Salt ☐		E. coli ☒ Enterococcus ☐ Fecal ☐							
BUTCHER PEN CR AT WESCONNETT				Sample Access:				Sample Ice Preserved in 15 minutes?				AK KA		KM	
				Wading ☐ Dock ☐ From Shore ☐ Bridge ☒				Yes ☒ No ☐							
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack					
1140	1.058	0.3	22.5	285.6	0.14	7.13	2.02	23.3	0.5	Slack					
		1.3	22.5	288.0	0.14	7.15	2.20	25.3							
Comments and Weather:															
code R for recent rain															

WIN ID/Field ID:				WBID Number		Matrix:		Sample Type:		Initials Sample & Preservation		Initials Document-ation			
		20030082		2322		Surface Fresh ☒ Surface Salt ☐		E. coli ☒ Enterococcus ☐ Fecal ☐							
BUTCHER PEN CR @ CONFEDERATE PT ROAD				Sample Access:				Sample Ice Preserved in 15 minutes?				AK KA		KM	
				Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Yes ☒ No ☐							
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack					
1200	0.1681	0.3	23.1	738	0.36	7.27	3.92	45.2	0.2	Ebb					
Comments and Weather:															
code R for recent rain															

WIN / Field ID:				WBID Number		Matrix:		Sample Type:		Initials Sample & Preservation		Initials Document-ation			
		20030801		2280A		Surface Fresh ☒ Surface Salt ☐		E. coli ☒ Enterococcus ☐ Fecal ☐							
BIG FISHWEIR CR SF @ HAMILTON ST				Sample Access:				Sample Ice Preserved in 15 minutes?				KA KA		KM	
				Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Yes ☒ No ☐							
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack					
1215	1.163	0.3	22.6	478.7	0.23	7.31	3.42	39.6	VOB	Slack					
									S						
Comments and Weather:															
code R for recent rain															

Signature: Kelly McDonald

Date: 11/16/20

Field Sheet Scanned (Initials/date): KM 11/16/2020

Parameters uploaded to LIMS (Initials/date):

Data QC'd in LIMS (Initials/date): BD 12/21/2020

Data Migrated to WIN (Initials/date):

WIN / Field ID:  20030953				WBID Number 2280A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation KA		Initials Documentation KM	
LITTLE FISHWEIR AT OAK ST.				Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☒ No ☐					
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack			
1240	1.221	0.3	22.8	307.3	0.15	7.02	0.95	10.9	0.9	Ebb			
Comments and Weather: very high; code R for recent rain													

WIN ID/Field ID:  20030793				WBID Number 2297B		Matrix: Surface ☐ Fresh ☐ Surface Salt ☒		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation		Initials Documentation	
CRAIG CR @ HENDRICKS AVE				Sample Access: Wading ☐ Dock ☐ From Shore ☐ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☐ No ☐					
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack			
Comments and Weather: Flooded NO SAMPLE													

WIN ID/Field ID:  20030958				WBID Number 2297B		Matrix: Surface ☐ Fresh ☐ Surface Salt ☒		Sample Type: E. coli ☐ Enterococcus ☒ Fecal ☐		Initials Sample & Preservation		Initials Documentation	
CRAIG CR. 100m DOWN FROM FOOTBRIDGE IN PARK				Sample Access: Wading ☐ Dock ☐ From Shore ☐ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☐ No ☐					
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack			
Comments and Weather: Flooded NO sample													

WIN ID/Field ID:  20030891				WBID Number 2326A		Matrix: Surface ☒ Fresh ☒ Surface Salt ☐		Sample Type: E. coli ☒ Enterococcus ☐ Fecal ☐		Initials Sample & Preservation		Initials Documentation	
GOODBYS CR ABOVE WEST BRANCH AT SAN CLERC				Sample Access: Wading ☐ Dock ☐ From Shore ☒ Bridge ☐				Sample Ice Preserved in 15 minutes? Yes ☐ No ☐					
Time	Total depth(m)	Sample depth(m)	Temp °C	Conductivity µmhos	Salinity ppt	pH s.u.	D.O. mg/L	D.O. % sat	Secchi m	Tide Ebb/ Flood Slack			
1415													
Comments and Weather: Flooded no sample													

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

1

AT & Contact: Mandy Sullivan

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